CHARGES IN THE SEWERS COURT.—The complaint of bills of unnecessary charged, said in our report to have been made by the court against the *Poplar* district, applies to the *Tower Hamlets*.

TENDERS

For the "Ship" public-house, Wandsworth; Mr. J. A. Young, architect.

Lest	£1,150
Hayward and Nixon	1,147
Miers	1,119
Lawrance and Sons	1,085
Nicholson and Son	1,044

TO CORRESPONDENTS.

"*H. S.*"—We regretted to see the name, and will gladly bear it in mind.

"*The 19th century.*"—The printer made us misinform "Subscriber" last week. The reply should have been "the 19th century ended when the year 1901 began."

Received.—"H. J.," "W. S.," "W. C. T.," "J. D. M.," "Lover of Pure Air," "Sir H. M.," "Sir H. D.," "J. A.," "H. H." (The assessed taxes on carriages, &c., are claimed for the year after notice of discontinuance is given). "T. L.," "Practical Man," "G. T.," "J. C. C." (Shall hear from us). "R. M.," "Young Reader," "W. R." (We are certainly not able to advise). "A Young Student," (Mathematics are most desirable). "Nauticus."

"*Books, Prices, and Addresses.*"—We have not time to point out book- or find addresses.

ADVERTISEMENTS.

BUILDERS AND CONTRACTORS.

TARPAULINS for COVERING ROOFS during Repairs SCAFFOLD CORD and every description of ROPE used by Builders upon the lowest terms. Marquees and temporary awnings on sale or hire. Orders per post receive the most prompt attention.—WILLIAM PIGGOTT, 113, Fore Street, City, Manufacturer, by Appointment, to Her Majesty's Honourable Board of Ordnance.

TO BUILDERS AND OTHERS.

RAIN-WATER PIPES, heads, shoes, and elbows, half round and O G gutters, sash weights, railing bars, sink and stable traps and gratings, air bricks, close and open coal plates, screw pens, tile lights, balcony panels, barrow wheels, &c. GAS and WATER-PIPES, heads, branches, Tee pieces, syphons, and lamp cobbins; also hot water pipes for heating buildings and hot-houses, and FLANGE PIPES, with all the usual connections. A large stock of the above CASTINGS at very low prices, at JONES'S, Iron Bridge Wharf, No. 6, Bankside, Southwark.

ARCHITECTURAL ENRICHMENTS.

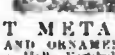
BIELEFELD'S IMPROVED PAPIER MACHÉ, which has been almost universally adopted for architectural decoration, has been patronized by her Majesty, by the Honourable Commissioners of Board of Works, by the highest of the nobility and gentry, and by the most eminent architects of the day. It has been used at the royal palaces, at the present House of Lords, at Dublin Castle, at Drayton Manor, the new Conservative Club House, Grocers' Hall, &c., also at the British Museum and Pantheon Bazaar, where it has been extensively used for some years, and an inspection will sufficiently establish its superiority over every other kind of composition, both for beauty and durability. Designs prepared for the decoration of ceilings, panelling of walls, &c. A volume of enrichments, containing more than 1,000 designs of the papier maché ornaments, with a tariff, price £1.—Works, 14, Wellington Street North, Strand.

TO ENGINEERS, MANUFACTURERS, RAILWAY AND STEAM-BOAT COMPANIES.

G. HOWE begs to call the attention of the above parties to his improved WATER-GAUGE for STEAM BOILERS. The advantages of this Water Gauge, for which a prize medal was given by the Royal Agricultural Society of England, at their meeting at York, in that the glass tube, by a most simple contrivance, is completely prevented from being broken by the expansion or contraction of the boiler and the various parts of the gauge; and, should the glass tube at any time require renewing, it can be done by any one in a few minutes, with the certainty of the joints being perfectly tight.—To be had of G. HOWE, Portable Steam-Engine Maker, 112, Great Guildford-street, Borough; also of Messrs. FROST, NOAKES, and VINCENT, Brassfounders, 130, Brick-lane, Whitechapel; price £1 10s. each.

COMPOSITIONS for WRITING with STEEL PENS.—STEPHENS'S WRITING FLUIDS compose the most splendid and durable colours, and the most indelible composition which art can produce; they consist of a BLUE FLUID, changing into an intense black colour, PATENT UNCHANGEABLE BLUE FLUIDS, remaining a deep blue colour. These sorts are prepared, a light and dark blue. A superior BLACK INK, of the common character, but more fluid. A superior CARMINE RED, for contrast writing. A liquid BRIGHT CARMINE, for artists and contrast writing, in glass bottles. A carbonaceous RECORD INK, which writes instantly black, and being proof against any chemical agent, is most valuable in the prevention of frauds. A liquid MECHANICAL and ARCHITECTURAL DRAWING INK, superior to Indian ink. Marking inks for linen, select steel pens, inkholders.—Prepared by the inventor HENRY STEPHENS, 54, Stamford-street, Blackfriars, and sold by booksellers and stationers everywhere, in bottles, at 1d., 2d., 3d., 6d., 1s., and 2s.

PAVING, 2s. 9d. PER SQUARE YARD, Basements, Foot-walks, Malt-houses, Corn Stores, Floors of Warehouses, and every description of Pavement laid down at the above low prices, and the work guaranteed.—Apply to JOHN BIL KINGTON, POLANGEAU'S BITUMEN PAVEMENT OFFICE, 13, WHARF-ROAD, CITY-ROAD.—N.B. Country Agents and Railway Engineers and Contractors supplied with the best bitumen for covering bridges and arches.



PATENT METALLIC LAVA, WHITE AND ORNAMENTAL, for the interior of Churches, Museums, Halls, Vestibules, Conservatories, &c.; BROWN, for Foot Pavement, Flooring, covering Railway Arches, Terraces, Roofs, &c. &c.—Manufactured only by Messrs. ORSI and ARMANI.—Specimens and list of prices can be obtained at the offices, 6, Guildhall Chambers, Basinghall street, City; and at the office of "The Builder."

TERRA-COTTA, or VITRIFIED STONE WORKS, King Edward street, Westminster-road, London.—M. H. BLANCHARD, from late Coade's Original Works, Belvedere-road, Lambeth, begs to inform the Nobility, Gentry, Architects, and Builders, that he has re-established the manufacture of this invaluable material, which has been successfully adopted by our eminent Architects and others, in the adornment of our noblest buildings, nearly 100 years has proved the imperishable nature of the material, the specimens of those times now exhibiting all their primitive sharpness.

Groups, statues, friezes, capitals, panelling, pinnacles, finials, terminals, Tudor, and other chimney shafts, balustrading, fountains, fonts, vases, vases, coats of arms, devises, and every description of architectural ornament, at prices in many instances nearly half the cost of stone.

Specimens of the material to be seen at the Office of "The Builder," 2, York-street, Covent Garden, and at the Works.

STIRLING'S BELVEDERE SLATE WORKS, Belvedere-road, Lambeth.—A reduced list of prices of the best WELCH SLATE SLABS, planed both faces, will be sent on application (post paid) being made, and inclosing a postage stamp. The prices are under those advertised for inferior slates.

ENAMELLED SLATE.—Messrs. JONES having had many years' experience in manufacturing Slate, and furnished improved machinery for the purpose, can offer ENAMELLED SLATE, in all its branches, of superior workmanship and elegant designs, at very moderate prices, warranted in every respect equal to any manufactured in London. Plain Slab Work done in all its branches. Large assortment of best BANGOR ROOFING-SLATES constantly kept on hand, at reduced prices, to be had of Messrs. JONES, Bangor Wharf, Pimlico, and Wharf, Macclesfield-street, City-road Basin.

ENAMELLED SLATE.—CAUTION!—Some discarded workmen of Mr. Magnus, having pirated his invention of marbling slate, and palmed upon the public trashy imitations, which unfortunately are frequently confounded with MAGNUS'S ENAMELLED SLATE, until a few months' wear has shown them in their true light. Mr. MAGNUS, who has expended a fortune in perfecting and introducing his enamelled slate articles (which articles have won for him the patronage of the highest personages in the realm, the appreciation and support of the first architects, and the medal of the Royal Society of Arts), deems it incumbent upon him for his own protection, and that of the public, and for the just fame of his inventions, to caution the inexperienced against these imitations. The public are, therefore, requested to observe that the address is MAGNUS, PIMLICO SLATE WORKS, and in future all articles of his manufacture will be so marked.

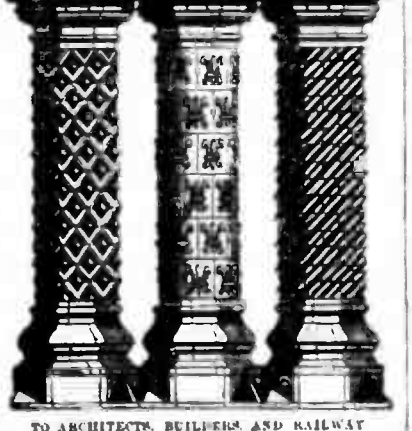
Patronized by her Majesty Prince Albert, the Duke of Wellington, the Duchess of Sutherland, the Duchess of Grafton, the Marquis of Westminster, the Marquis of Londonderry, the Earl of Denbigh, the Earl of Dartmouth, the Earl of Bandon, the Earl of Waldegrave, the Countess Wilton, Viscount Combermere, Lord Robert Grosvenor, the Bishop of London, the Bishop of Bath and Wells, the Hon. Col. Douglas Pennant, Mr. Assheton Smith, Col. Challoner, Mr. J. Easthope, Sir Francis Lawley, Sir Ralph Howard, the Hon. Capt. Dacombe, Sir W. Gurdon, The Hon. C. Wodehouse, Leicester, and numerous others of the nobility and gentry of this and other countries; by the most eminent architects and surveyors, the engineers and directors of the principal lines of railway, the Board of Public Works, and by the public generally.

SLATE SLABS.—Mr. MAGNUS having machinery in Wales capable of sawing and planing some thousands of tons annually, is enabled to supply the public at a much lower rate than any other house not possessing the same facilities. Parties ordering large quantities will be allowed a considerable discount off the recently reduced price list.—Address, MAGNUS, Pimlico Slate Works.

STOKES'S ANTHRACITE FIRE BRICKS.—Engineers, Gas Companies, &c. &c., can now be supplied with these superior Fire Bricks and Fire Clay.—Samples may be seen, and further particulars known of JOHN THOMPSON, Sole Agent, 16, Billiter street, London.—Ward, 43, Lower Shadwell.

FIRE BRICKS.—WARD and HART, Hendgrea Wharf, Bankside, respectfully submit the attention of Gas Companies, Builders, Engineers, Iron Builders, Shippers, and others to the fact that they have now completed their Stock of Scourbridge, Welsh, and Newcastle Fire Bricks, Lumps, and Tiles, of all sizes and shapes, which they are offering with every advantage to purchasers. Goods may be had from ships in the river at a great reduction. Fire Clays, Loams, Dutch Clinkers, Stock Bricks, Windsor Bricks, Oven Tiles, Pan, Plain, Ridge, and Paving ditto, Moulding Sand, House Sand red and white, River Sand, Roofing Cement, Malt and Corn-drying Kiln Tiles, now in such general use for malting, &c. &c., Chimney-pots, Drain Pipes, Tiles, &c. &c. Goods made to pattern at the shortest notice. Sanitary Pipes of every description. Country orders executed with despatch. Country Builders will find this the cheapest market for the above.

WORCESTER ENCAUSTIC TILE WORKS.—The Proprietors, who are retiring from Business, are enabled to offer their STOCK of TILES at a very Reduced Rate. Ornamental Pavements of the best description, at 1s. 8d. per square foot; "Impressions," at 9d. N.B. These Tiles (Venus manufactured in exact imitation of the best ancient specimens) are more suitable for the restoration of ancient Churches and Buildings than any others of modern make; and the present opportunity affords Architects and others the means of adopting a very beautiful decoration at the ordinary cost of stone. Arrangements have been made for an future "manufactures" that may be required.—Specimens may be seen in London at Messrs. GRIEVE and GRELLIER'S Marble Wharf, Belvidere-road, Waterloo-bridge; and in the country, at the Works, Palace-row, Worcester.



TO ARCHITECTS, BUILDERS, AND RAILWAY CONTRACTORS.

BRICKS and TILES, plain and moulded, manufactured in a superior manner, from the beds of clay on the Earl of Leicester's estate at Holkham, of red, blue, and Bath stone colours, both for plain and ornamental work. Specimens to be seen at Blashfield's Wharf, Commercial-road, Lambeth, near Waterloo-bridge; consisting of plain bricks of the usual size for building purposes, moulded bricks for forming Tudor chimney shafts, of various designs, label mouldings, cornices, copings, window sills, dressings for windows and doors, mullions, chars, skirtings, &c. Also roofing and paving tiles of an ornamental character, in the same materials. The moulded bricks are fully equal to the best specimens referred to under the articles "Brickwork," in Nos. 298 and 299, of "The Builder."

UNDER BRITISH and FOREIGN LETTERS PATENT.—Capitalists are invited to inspect the secure and profitable investment in HUTCHINS'S and CO.'S IMPURATED and IMPERVIOUS STONE, CHALK, SAND, PLASTER, WOOD, and CARTON-ROOF SHEETING WORKS. Paving in diamond courses, supplied at Halverly Quarry, Templetier Wells, at 6d. per foot super, perfectly compact and impervious. Other orders executed. Also 6 a Maidstone, near Ham, France. Chief offices, East Temple-chambers, 3, Whitefriars-street, London, where specimens and particulars may be seen. Licences granted also for Hutchinson's patent saw frames.

PLASTER of PARIS.—Plasterers and others can be supplied with PLASTER of PARIS, of excellent quality, delivered at Three Cranes Wharf, London, at 20s. per ton, casks included; or by sending bags, can have them filled and delivered at 14s.—Orders addressed to W. B. WILKINSON, Manufacturer, Newcastle-on-Tyne, accompanied by a remittance or a referee, will meet prompt attention.

TO THE BUILDING PUBLIC.

FIRST-RATE ORNAMENTS in PORTLAND, ROMAN and other CEMENTS, and PLASTER of PARIS, at reasonable prices, consisting of Vases, Balustrades, Capitals, perforated Panelling, Antlerons, Brackets, Trusses, Wreaths, Scrolls, Mascrons, Heads, Figures, Trusses, Gothic and other Chimney-shafts, Sills, Bed-moulds, Patterns, &c. &c. 18-inch Centre, Flowers fixed complete, 9s. each, smaller in proportion. An assortment of Shop-front Trusses always ready for fixing.—JOHN HERBERT and SON, Modellers, &c., 43, Parker-street, Drury-lane.

GREAVES'S BLUE LIAS LIME and LIAS CEMENT.—Messrs. RUTTY and VERRETT, 8, Smith Wharf, Paddington Basin, Works at Stratford-on-Avon and Southam. GLAZED STONEWARE DRAIN PIPES on hand.

ATKINSON'S CEMENT.—WILLIAM WOOD, Jun., Manufacturer of Roman, Portland, and Bath Cement, Blue Lias Lime Works, CHURCH STREET, ROTHERHITHE. Sole Consignee for Atkinson's Cement.—Cement Chimney-pots of every pattern.

ROMAN CEMENT, made according to the specification of Parker's Patent, may be had genuine of J. M. BLASHFIELD, Stone Wharf, Parker, and Co., Waterloo Bridge Wharf, Commercial-road, Lambeth, No. 1, Ironmaster Wharf, Buddington, and at the Manufactory, Mill Walk, Poplar. Also Plaster, Mastic, Tarras, Bricks, Tiles, &c.

KEENE'S PATENT MARBLE CEMENT forms an exceedingly hard and indestructible stucco, which may either be prepared for paint, or finished in imitation of stone, by the addition of Portland or other stone dust.

It is a cheap and efficient substitute in place of wood for skirting, architraves, and other mouldings, in its application for which purposes it checks the progress of Fire and the attacks of Vermin.

Patentees and sole Manufacturers, J. B. WHITE and SONS, Millbank-street, Westminster, and Mount-street, Liverpool.

PORTLAND CEMENT.—J. B. WHITE and SONS, request reference to Nos. 294 and 295, pages 143 and 331, of "The Builder," for accounts of experiments on the strength of Portland Cements.—These trials show that for the practical purposes of building, the constructive power of Portland Cement exceeds that of Roman Cement in the proportion of four to one; thus marking it as the most fit material for turning the brick arches of Railway bridges and other works of a critical nature, while its firm adhesion to most sorts of stone, as well as bricks, combined with its eminently hydraulic properties, adapt it for such purposes as the building of sea and river walls, and the lining of reservoirs, cisterns, baths, &c. Manufacturers, J. B. WHITE and SONS, Millbank-street, Westminster.

PORTLAND CEMENT, solely MANUFACTURED by WILLIAM ASPDIN, one of the Patentees.—Messrs. ROBINS, ASPDIN, and Co. request reference to Nos. 294, page 143, and also Nos. 294 and 295, pages 331 and 331 of "The Builder," for accounts of EXPERIMENTS on the strength of Portland Cements, whereby the great superiority of their Cement is manifest. This Cement has been proved for upwards of twenty years in the Thames Tunnel to resist the action of water; it is stronger in its cementitious qualities, harder, and more durable than any other description of Cement; it does not vegetate, crack, or turn green; not to be affected by any atmospheric influence whatever the climate, resisting alike the action of frost and heat. It is manufactured to set in from five to sixty minutes. For all purposes that Cement is applicable the Proprietors challenge competition.—Orders received by Messrs. ROBINS, ASPDIN, and Company, at their Manufactory, Northfleet, Kent, and their Wharf, Great Scotland yard, Whitehall; also by their Agent at the Docks, 1, Black Horse, Liverpool.

JOHNS and CO.'S PATENT STUCCO CEMENT and PAINT.—The attention of Architects, Builders, Plasterers, Painters, Merchants, and the Public generally, is solicited to the many advantages attached to these celebrated Materials, which, for their appearance, durability, superiorness, utter resistance to frost or heat, and general economy, distinguish them from all other cements and paints, and fully justify the confidence reposed in them as shown by the numerous testimonials received from public bodies and private individuals of the first importance. Prospectuses and particulars may be obtained from the sole agent, PHILIP HARE, at the Warehouse, 22, Steel-yard, Upper Thames-street.

PARIAN CEMENT, used as a Stucco, is manufactured exactly to distinguish from material of Parian Marble, and is fit for all the purposes of that beautiful material, and does not crack, warp, or efflorence in any degree. The fine quality will incorporate with the most delicate colours, so adapted to ecclesiastic work, frieze, imitation of marble, and the most elaborate embellishment. Its perfections are its setting or consolidating properties. That the coarse quality, when applied to newly built or damp walls, may be immediately painted, papered, or papered, and rendered habitable before the most trivial ordinarily used would begin to dry. Manufactured by CHAS. FRANCIS and SONS, Roman Cement Works, King Edward, London.

MARTIN'S PATENT FIRE-PROOF and ORNAMENTAL CEMENT—REDUCTION OF PRICE.—The Patentees beg to inform their Friends and the Public that they have made arrangements which enable them to offer this invaluable cement at a considerable reduced price. It has been before the public so many years, and has obtained so high a standing in the estimation of all who have used it, that it is unnecessary to enlarge on its merits. The Patentees, however, feel called upon to observe, that by its use—from the greater amount of surface which a given quantity will cover, and the small amount of labour required in working it, a saving of 25 to 30 per cent. is effected as compared with other cements for internal use. Specimens showing its beauty, hardness, and applicability to all plain and ornamental purposes, may be seen, and the Cement in any quantity obtained of the Patentees, Messrs. STEVENS and SON, at their Plaster and Cement Works, 105, Drury-lane, London.

PROTECTION FROM FIRE.—The PATENT FIRE-PROOF FLOORS and CEILINGS invented by Dr. Fox are applicable to buildings of every description, and effectually prevent the ravages of fire. They at the same time afford complete security from dryrot and from the admission of vermin and insects, and though far more durable than ordinary floors they are not at all more costly. The Patentee may be seen, and further information obtained on application to the proprietors, Messrs. FOX and BARRETT, Leicester-chambers, 20, Leicester-square.

WALKER'S PATENT.—WARMING and VENTILATING WORKS, LOWER KING-STREET, MANCHESTER.

Established for the manufacture by machinery, of various descriptions of improved apparatus for warming and ventilating all kinds of buildings by STEAM, HOT-WATER, and WARM AIR, and for the economical application of heat generally to manufacturing and domestic purposes. The proprietor having been engaged for many years in an extensive practice of this art in various parts of the kingdom, and endeavoured to be certain and accurate data, and minute calculations, from the frequency of failure in warming and ventilation that there exists a field for the operations of properly qualified persons, is prepared to undertake works of this kind, on the principle of guaranteeing any required temperature and stated amount of ventilation. Improved stoves and stoves heated, where required, up to 300 deg. Fahrenheit, and dry, the materials are generally planned and executed on improved principles. Having also bestowed much attention to reducing the expense and complicated nature of ventilating arrangements, he solicits public notice to the following highly useful, compact, and utilitarian inventions:—

Walker's Patent HEAT BOXES, Portable SELF-FEEDING BOILERS, improved SCREW-WARMING and VENTILATING MACHINES, HOT-WATER STOVES, TUBULAR and other WARM-AIR STOVES, Portable Steam-Engines of useful sizes, with cylindrical or tubular boilers.

Competent workmen sent to any part of the country. Reference to numbers of public institutions, churches, nobility and gentry, architects, manufacturers, &c., throughout England, Ireland, and Wales.

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